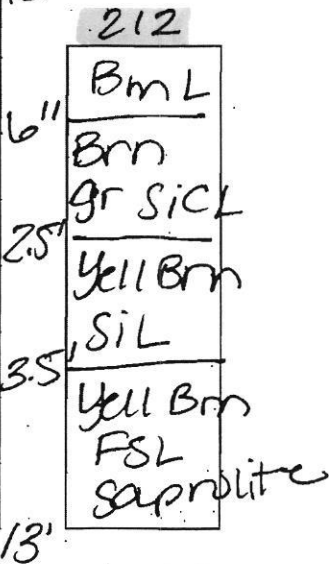
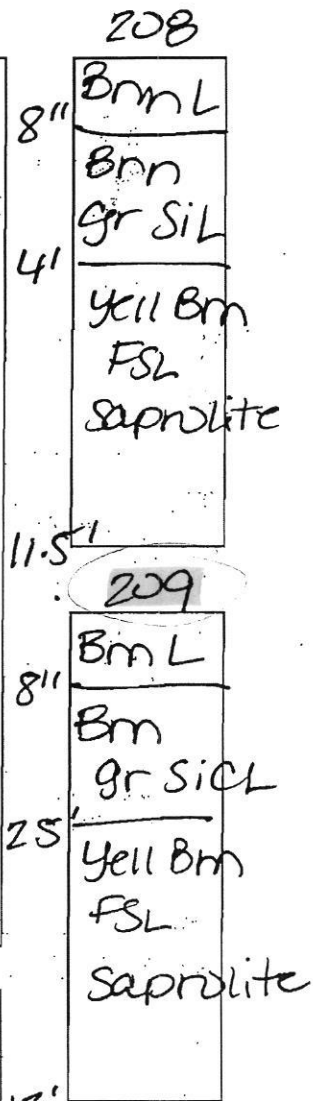
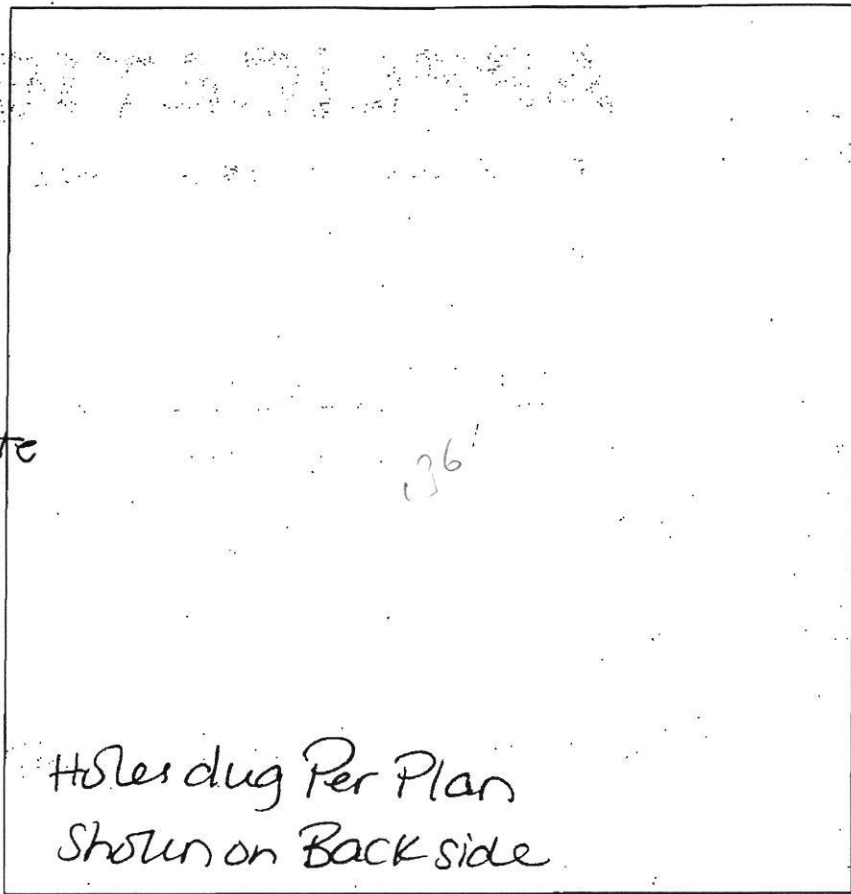
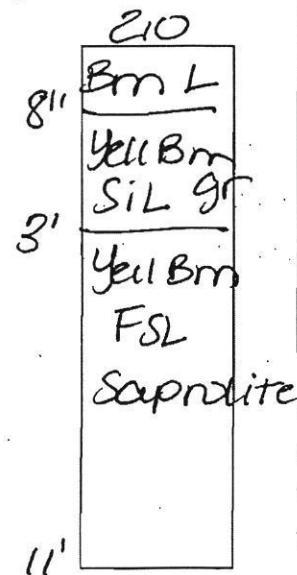
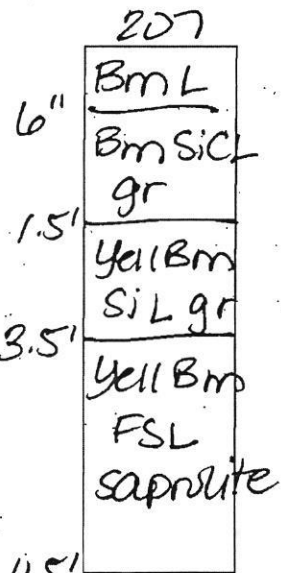
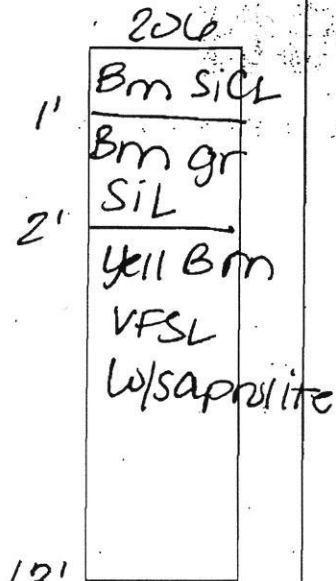


AP 5210184



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/14/07	206	4' / 13'	9:31	9:38	9:39	6	P
	207	4' / 11.5'	9:38	9:42	9:50	8	P
	210	4' / 11'	9:41	9:52	10:00	8	P
	209	4' / 12'	10:04	10:08	10:15	7	P
	212	4' / 18'	10:05	10:12	10:22	10	P
	208	VISUAL					P

REMARKS _____

SANITARIAN AT BACKHOE Justin (level land) OTHERS Jeremy Rutter

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

AP 526184

215

211
 8" Bm L
 Bm gr sil
 2" gr sil
 Yell Bm gr sil
 3.5" Yell Bm FSL saporite

1" Bm L
 Bm gr sil
 2.5" Bm gr sil
 3.5" Yell Bm FSL saporite

Holes Dug Per Plan Shown on Back Side

213
 8" Bm L
 Bm gr sil
 2" Yell Bm gr sil
 4" Yell Bm FSL saporite

216
 8" Bm L
 Bm gr CL
 4.5" Yell Bm FSL dense saporite
 7" less dense FSL

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/14/07	211	VISUAL					P
	213	4.5' / 11'	10:17	10:22	10:36	14	P
	214	3.5' / 13'	10:30	10:38	10:45	7	P
	25	4.5' / 13'	10:41	10:46	10:58	12	P
	216	5' / 13'	10:48	SLOW-PULLED			
		6' / 13'	11:26	11:41	12:10	29	P
		Better @ 7'					
	219	5' / 13'	11:01	11:04	11:09	5	P

214
 8" Bm L
 Bm gr sil
 1.5" Yell Bm gr sil
 3.5" Yell Bm FSL saporite

219
 8" Bm L
 RDBm gr CL
 8" RDBm gr sil saporite
 5" Bm FSL saporite

REMARKS _____
 SANITARIAN at BACKHOE Justin (level land) OTHERS Jeremy Putler
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

① P5210184

206
 1" Bm SiCL
 Bm gr
 SiL
 2' Yell Bm
 VFSL
 W/saprolite
 13'

207
 6" Bm L
 Bm SiCL
 gr
 1.5' Yell Bm
 SiL gr
 3.5' Yell Bm
 FSL
 saprolite
 11.5'

210
 8" Bm L
 Yell Bm
 SiL gr
 3' Yell Bm
 FSL
 Saprolite
 11'

Holes dug Per Plan
 Shown on Back side

208
 8" Bm L
 Bm
 gr SiL
 4' Yell Bm
 FSL
 Saprolite
 11.5'
 209
 8" Bm L
 Bm
 gr SiCL
 2.5' Yell Bm
 FSL
 Saprolite
 12'

212
 6" Bm L
 Bm
 gr SiCL
 2.5' Yell Bm
 SiL
 3.5' Yell Bm
 FSL
 Saprolite
 13'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8/14/07	206	4' 13"	9:31	9:33	9:39	6	P
	207	4' 11.5"	9:38	9:42	9:50	8	P
	210	4' 11"	9:41	9:52	10:00	8	P
	209	4' 12"	10:04	10:08	10:15	7	P
	212	4' 13"	10:05	10:12	10:22	10	P
	208	VISUAL					P

REMARKS _____
 SANITARIAN AT BACKHOE Justin (Cleveland) OTHERS Jeremy Rutter
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

POLE #551088

GUY WIRE

S80°55'03"E

ChB2

DAVIS PROPER PERC PLAN

G1C3 G2B2

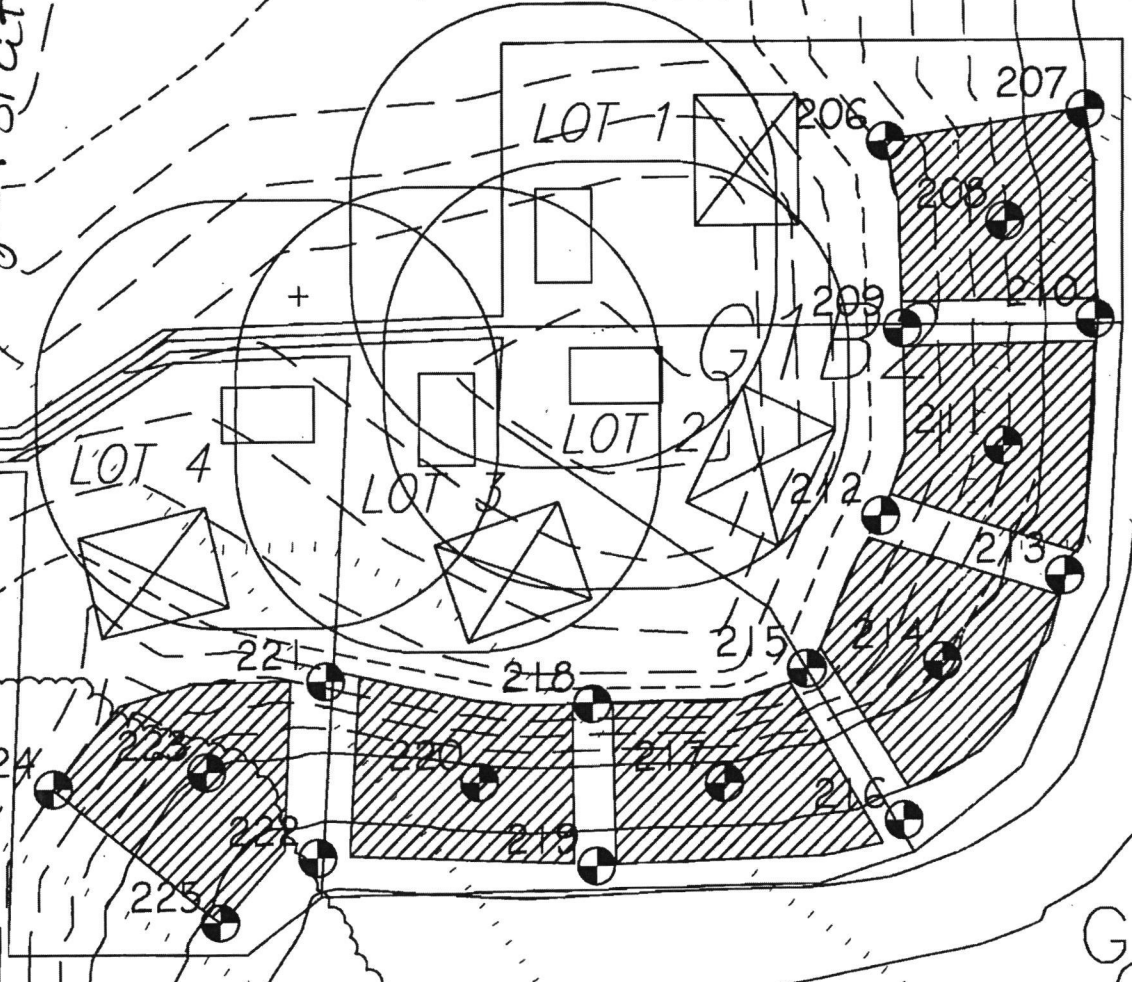
Morgan Station ROAD

N08°34'57"E
351.45'

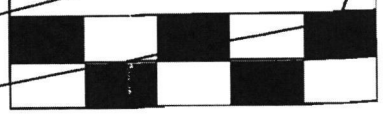
CABLE BOX

N08°52'44"E
295.82'

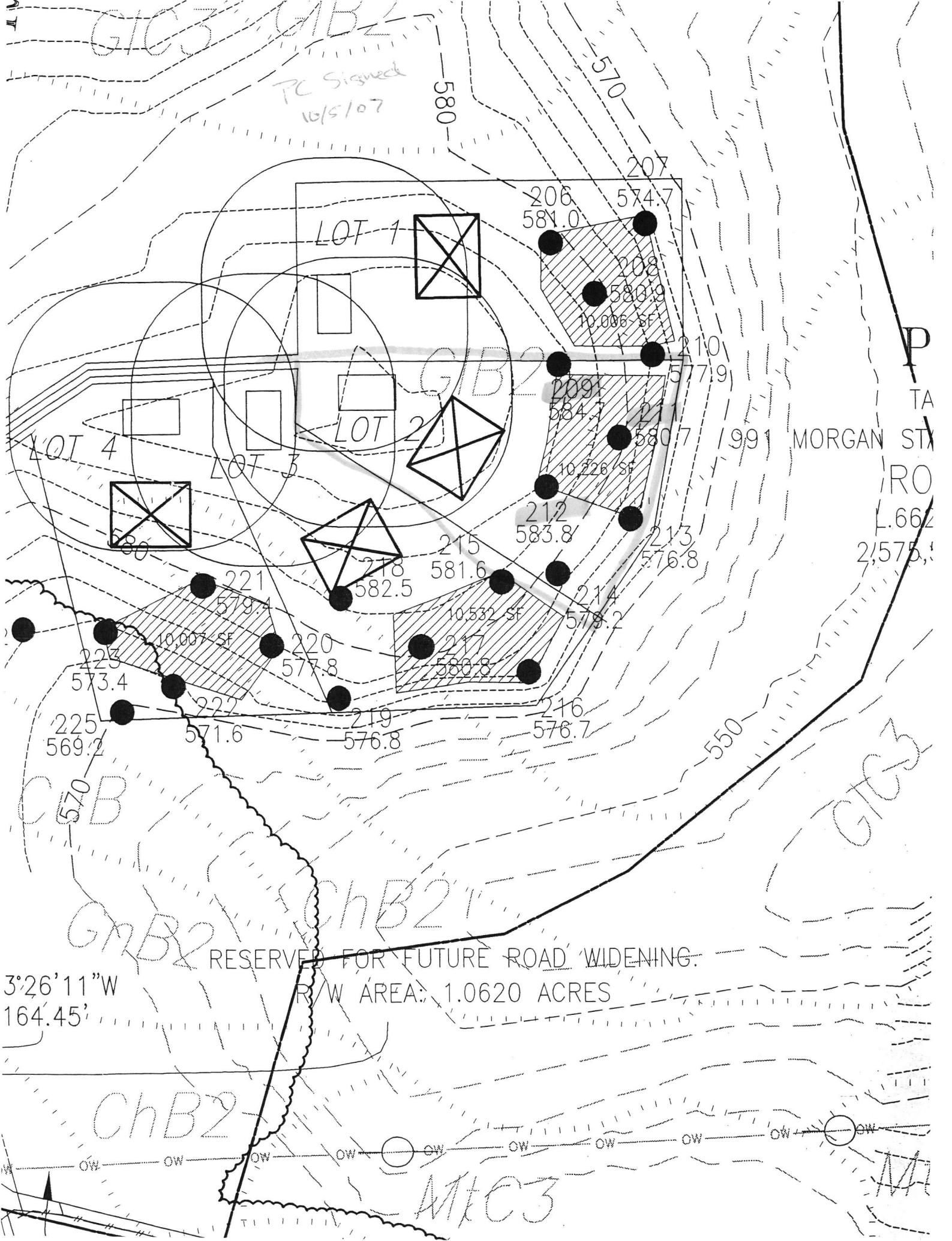
N19°56'E
198.00'
R=1640.36'



200



GRA



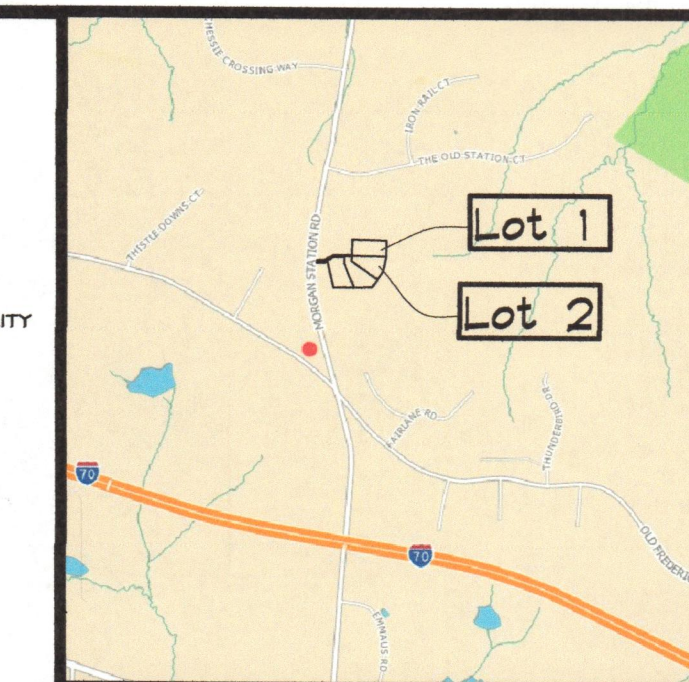
GENERAL NOTES

- 1) THIS PROPERTY IS ZONED RC-DEO.
- 2) THE PROPERTY BOUNDARY SHOWN IS BASED ON CURRENT PLAT.
- 3) DEED REFERENCE: LIBER 22255 FOLIO 374.
- 4) THE EXISTING TOPOGRAPHY ON SITE IS BASED ON A FIELD RUN SURVEY CONDUCTED BY JNM ENGINEERING IN JANUARY, 2025. OFFSITE TOPOGRAPHY IS BASED ON HOWARD COUNTY GIS.
- 5) ANY CHANGES TO A PRIVATE SEWERAGE DISPOSAL AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 6) SOIL TYPES SHOWN ON THIS PLAN ARE FROM THE USDA WEB SOIL SURVEY.
- 7) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 8) ALL EXISTING WELLS AND SEWERAGE DISPOSAL AREAS AND COMPONENTS WITHIN 100- FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING/PROPOSED WELLS 200' DOWN GRADIENT FROM EXISTING OR PROPOSED SEPTIC SYSTEMS HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
- 9) THIS LOT WAS CREATED BY PLAT (18989) IN 2011.
- 10) SEPTIC TANK AND PUMP CHAMBERS COVER DEPTHS SHALL NOT EXCEED 3- FEET UNLESS DESIGNED AND APPROVED NOTING A TRAFFIC BEARING LD.
- 11) ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED PLAN MAY BE REQUIRED.
- 12) ALL WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED AND ARE ACCURATELY SHOWN.
- 13) THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO RELOCATE THE EXISTING WELL BOX ON LOT 2.

SOILS DATA TABLE

SYMBOL	SOIL	HYDRIC	K-FACTOR	ERODIBLE	WET SEASON
M1c	Manor loam, 8-15% Slopes	NO	0.26	NO	NO
G2B	Glensig Loam, 3%-8% Slopes	NO	0.24	NO	NO

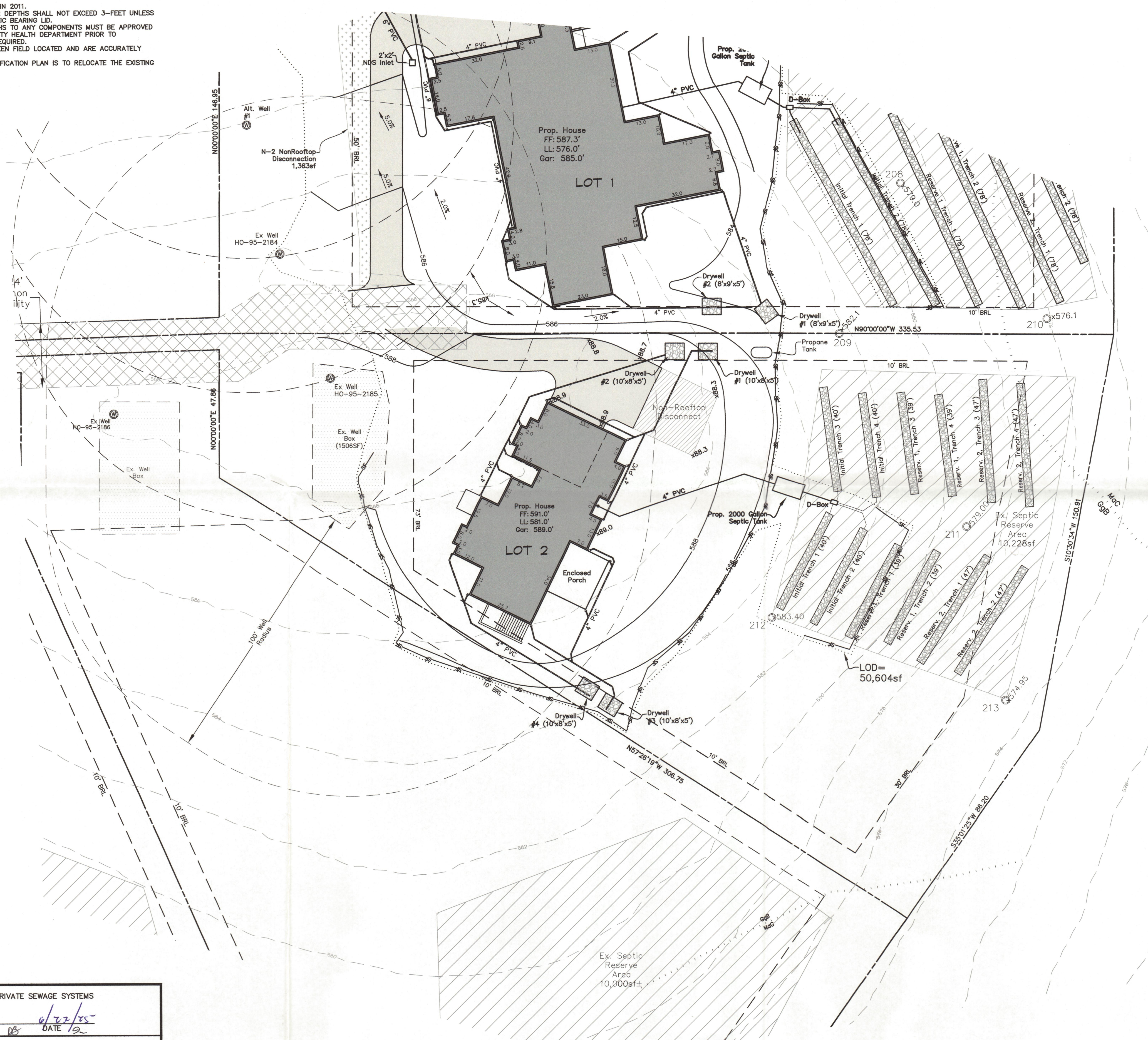
- SOILS INFORMATION TAKEN FROM USDA WEB SOIL SURVEY WEBSITE
NOTE: HIGHLY ERODIBLE SOILS ARE THOSE SOILS WITH A SLOPE GREATER THAN 15% OR THOSE SOILS WITH A SOIL ERODIBILITY FACTOR "K" GREATER THAN 0.35 WITH A SLOPE GREATER THAN 5 PERCENT.



VICINITY MAP

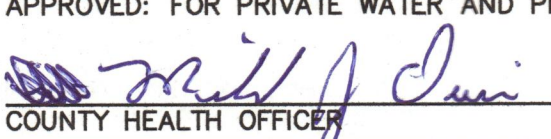



PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21931, EXPIRATION 12/18/2026.
JAMES WITMER, P.S.
6/11/2025
DATE



LEGEND

- EX. PROP. LINE
- - - EX. FENCE
- PROP. DRIVEWAY
- APPROVED SEWAGE DISPOSAL AREA
- SOIL BOUNDARY
- EX. 2' CONTOUR
- EX. 10' CONTOUR
- WELL (EX. OR PROP.)
- XX' BRL — BUILDING RESTRICTION LINE
- PASSED PERC TEST
- EX STEEP SLOPES
- WELL BOX

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

 COUNTY HEALTH OFFICER
 PERCOLATION CERTIFICATION:
 I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

 JAMES W. WITMER
 PROFESSIONAL LAND SURVEYOR, MD REG. NO. 21931

OWNER/DEVELOPER:
MEGHAN AND JOSEPH AMES
16801 COLTON COURT
WOODBINE, MD 21797

857 MORGAN STATION ROAD
WOODBINE, MD 21797
LOT 2, PLAT 18989, MAP 8
GRID 2, 48,494SF, ACCT#04-593623
PERCOLATION CERTIFICATION PLAN

857 MORGAN STATION RD
ELECT. DIST. 4, HOWARD COUNTY, MARYLAND
PERCOLATION CERT PLAN

JNM ENGINEERING, LLC
CIVIL ENGINEERING, SURVEYING, LAND PLANNING,
ENVIRONMENTAL, ARBORICULTURE, LEED PROFESSIONALS
1105 LEAFY HOLLOW CIRCLE, MOUNT AIRY, MD 21771
(301) 514-2808, JNMENGINEERINGLLC.COM

PROJECT	DATE	REVISION	BY	DATE
25-0218	03/2025			
JWW	JWW			
JWW	JWW			
JWW	JWW			
JWW	JWW			